

IMPROVED RIVET AND COATING TECHNIQUE

ABSTRACT OF THE DISCLOSURE

A previously heat treated aluminum alloy rivet is sand blasted with aluminum oxide, washed with a corrosion resistant solution, dried, and then a coating is applied to the rivet. The coating includes solvent, resin, plasticizer and a corrosion inhibitor. The coating is cured at an elevated temperature below 300°F, preferably in the order of 250°F for about an hour, or between one-half and one and one-half hours. The resultant rivet has a relatively thick gasket-like coating about 0.0007 to about 0.001 or 0.002 inch thick, and retains its high shear strength resulting from the initial pre-coating heat treatment. As an alternative pre-treatment, the rivets may be chromic acid anodized.